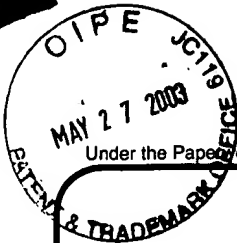


2872



PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	09/427,457
Filing Date	10/16/1999
First Named Inventor	Geoff P. Anderson
Group Art Unit	2872
Examiner Name	A. Chang
Total Number of Pages in This Submission	12
Attorney Docket Number	AFB00497

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
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Remarks

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Firm or Individual name	THOMAS C. STOVER, Reg. No. 22,531
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CERTIFICATE OF MAILING

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Air Force Invention No. AFB00497

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Thomas C. Stover 22,531
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 21 May 2003
SIGNATURE DATE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re CIP Application of
Geoff P. Andersen
Application Serial No. 09/427,457
Filed: 16 October 1999
For: **HOLOGRAPHIC IMAGE CORRECTOR**

Group Art Unit: 2872
Examiner: A. Chang

Honorable Commissioner for Patents
Washington D.C. 20231

Sir:

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AMENDMENT

In response to the Office Action dated 6 March 2003, please amend the above-identified application as follows:

IN THE CLAIMS

Amend or re-write the following claims, according to the clean copy shown below, as subsequently explained by a marked-up version attached as Exhibit A.

- 71
1. A holographic image corrector comprising, a microscope which has,
 - a) an optical system having an objective,
 - b) at least one pinhole mounted before said objective,
 - c) means for recording the characteristics of said objective by sending a first laser beam through said pinhole and through said objective or reflecting said beam therefrom to form an object beam,
 - d) means for intersecting said object beam with a reference laser beam in a recording medium to form a hologram of said objective, said laser beams being coherent,
 - e) means to replace said pinhole with an article and
 - f) means to illuminate said article with a beam of the same wavelength as said laser beams so that light therefrom passes through or reflects off said objective and diffracts through or off said hologram and provides a corrected image of said article for viewing.
 2. A holographic image corrector comprising, a microscope which has,
 - a) an optical system having an objective,
 - b) a pinhole mounted before said objective,
 - c) means for recording the characteristics of said objective by sending a first laser beam through said pinhole and through said objective or reflecting said beam therefrom to form an object beam
 - d) means for intersecting said object beam with a reference coherent laser beam in a recording medium to form a hologram of said objective,
 - e) means to replace said pinhole with an article and